

**Tetra Tech, Inc.**

4213 State Street, Suite 100
 Santa Barbara, CA 93110-2847
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**Log of Well No. **8-MW-20**

Location: Approximately 53 feet south of Building 715 southern entrance,
 and 33 feet from Building 715 south-east corner, SLC-4E.

Date Started: 9/26/02	Completed: 9/26/02	4" PVC Blank Casing: from 0 ft bgs to 115 ft bgs
Logged By: Dave Fenity	Checked By: David Springer, R.G. # 6962 <i>DF 6/24/03</i>	0.010" Screening Casing: from 115 ft bgs to 125 ft bgs
Drilled By: Ramon Zepeda, BC ² Environmental Corp.		Bentonite/Cement Grout: from 3 ft bgs to 106 ft bgs
Drilling Equipment: CME 95 HSA, 6" and 8" I.D.		Bentonite Transitional Seal: from 106 ft bgs to 111 ft bgs
Sampling Equipment: 2-inch I.D. Split Spoon/Encore		Sand Filter Pack: from 111 ft bgs to 125 ft bgs
GS Elev.: 484.56 ft above MSL	TD: 125 ft bgs	TOC Elev.: 484.20 ft above MSL

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	concrete.						100	0/0	9/26/02 0835 hrs begin drilling
5	<u>Sand</u> , strong brown (7.5YR 4/3), fine grained, rounded, poorly graded, slightly moist, trace silt, Orcutt Sand.		SP				100	0/0	
10	yellowish brown (10YR 5/4).					7 8 10	100	0/0	
15									
20						10 11	100	0/0	

121.5 ft bgs Groundwater depth during drilling 122.84 ft btoc Groundwater depth after well development on: 10/11/02

TC Number: **K963-06**

TETRA TECH, INC.

Page 1 of 6

**Tetra Tech, Inc.**

4213 State Street, Suite 100
Santa Barbara, CA 93110-2847
VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**Log of Well No. **8-MW-20**

Location: Approximately 53 feet south of Building 715 southern entrance,
and 33 feet from Building 715 south-east corner, SLC-4E.

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Snap	REMARKS
20	Sand, strong brown (7.5YR 4/6), fine to medium grained, rounded, medium dense, poorly graded, slightly moist, medium dense, Orcutt Sand.		SP			13			
25									
30	moist, trace silt, medium dense to dense.					11 14 20	100	0/0	
35									
40	dark yellowish brown (10YR 4/6), rounded to subrounded, dense, slightly moist.					14 17 20	100	0/0	
45									

**Tetra Tech, Inc.**

4213 State Street, Suite 100
Santa Barbara, CA 93110-2847
VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**
Log of Well No. **8-MW-20**

Location: Approximately 53 feet south of Building 715 southern entrance,
and 33 feet from Building 715 south-east corner, SLC-4E.

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
45	<u>Sand</u> , dark yellowish brown (10YR 4/6), fine to medium grained, rounded to subrounded, poorly graded, slightly moist, trace silt. Orcutt Sand.		SP						
50	brown (7.5YR 4/4), fine grained, trace silt, trace clay.					14 15 22	100	0/0	
55									
60	yellowish brown (10YR 4/6), rounded.					11 14 22	100	0/0	
65									
70						14 20	100	0/0	

**Tetra Tech, Inc.**

4213 State Street, Suite 100

Santa Barbara, CA 93110-2847

VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**Log of Well No. **8-MW-20**Location: Approximately 53 feet south of Building 715 southern entrance
and 33 feet from Building 715 south-east corner, SLC-4E.

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
70	Sand, yellowish brown (10YR 5/6), fine grained, rounded, poorly graded, slightly moist, Orcutt Sand.		SP			25			
75									
80						16 21 26	100	0/0.8	
85									
90	light yellowish brown (10YR 6/4), trace clay.					14 17 23	100	0/0.4	
95									



Tetra Tech, Inc.
 4213 State Street, Suite 100
 Santa Barbara, CA 93110-2847
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**

Log of Well No. **8-MW-20**

Location: Approximately 53 feet south of Building 715 southern entrance
 and 33 feet from Building 715 south-east corner, SLC-4E.

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
95	Sand, light yellowish brown (10YR 6/4), fine grained, rounded, poorly graded, slightly moist, trace clay, Orcutt Sand.		SP						
100						14 19 24	100	0/0.4	
105	yellowish brown (10YR 5/6), moist, trace silt.					11 13 17	100	0/2.3	
110	dark yellowish brown (10YR 4/6), very moist.					9 13 18	100	0/3.3	9/26/02 0945 hrs collect soil sample V8MWT-110
115	dark yellowish brown (10YR 4/4), fine to medium grained, dense, trace clay, moist.					25 50	100	0/5.3	
						26 50	100	0/4.8	9/26/02 1000 hours, Collect physical parameters soil sample
120						25 50	100	0/3.6	V8MWT-120

**Tetra Tech, Inc.**

4213 State Street, Suite 100
Santa Barbara, CA 93110-2847
VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base**Log of Well No. **8-MW-20**Location: Approximately 53 feet south of Building 715 southern entrance,
and 33 feet from Building 715 south-east corner, SLC-4E.

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
120	Sand with silt, dark yellowish brown (10YR 4/4), fine to medium grained, rounded, poorly graded, few silt, trace clay, moist, Orutt Sand.		SP-SM			21 50	100	0/2.2	
	well graded, wet.		SW			22 50	100	0/ 10.2	9/26/02 1000 hours, collect soil sample V8MWT-122
	fat Clay, light yellowish brown (2.5YR 6/3), plastic, stiff, slightly moist to moist.		CH			50 50	100	0/0	
125									9/26/02 1010 hours End drilling total depth 125 ft bgs
130									
135									
140									
145									